

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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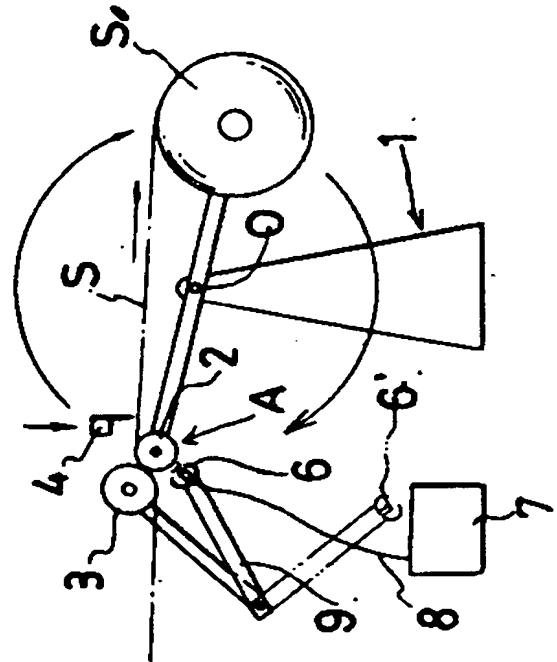
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INVENTOR : KATAOKA AKIRA;

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TITLE : SHEET END WINDING METHOD AND  
DEVICE



**ABSTRACT :** PURPOSE: To provide better winding of sheet and prevent the winding end from suffering damage by purposely applying static electricity to a winding core or said sheet through a high voltage charging electrode, and winding said sheet utilizing the adsorptive action.

CONSTITUTION: A continuous winding unit 1 allows a sheet roll  $S_0$ , in which a required quantity of sheet S has been wound at a winding position A, to move without stopping its rotation for winding. A new winding core 2 is then moved to the winding position A and, after cutting the running sheet S at the rear end of the sheet roll  $S_0$  using a cutting edge 4, the cutoff end of the sheet is wound onto the new core 2. An electrode 6 having the same length as the dimension of the width of the running sheet S is mounted on the tip of a swinging arm 9, and is connected to a high voltage charging unit 7 through a flexible cable 8. The electrode 6 is operated to move from its standby position to a required position for charging the winding core 2 or running sheet S when the new core 2 comes to the winding position A.

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